



Joint Dynamic Attack Command and Control System (JDACCS)

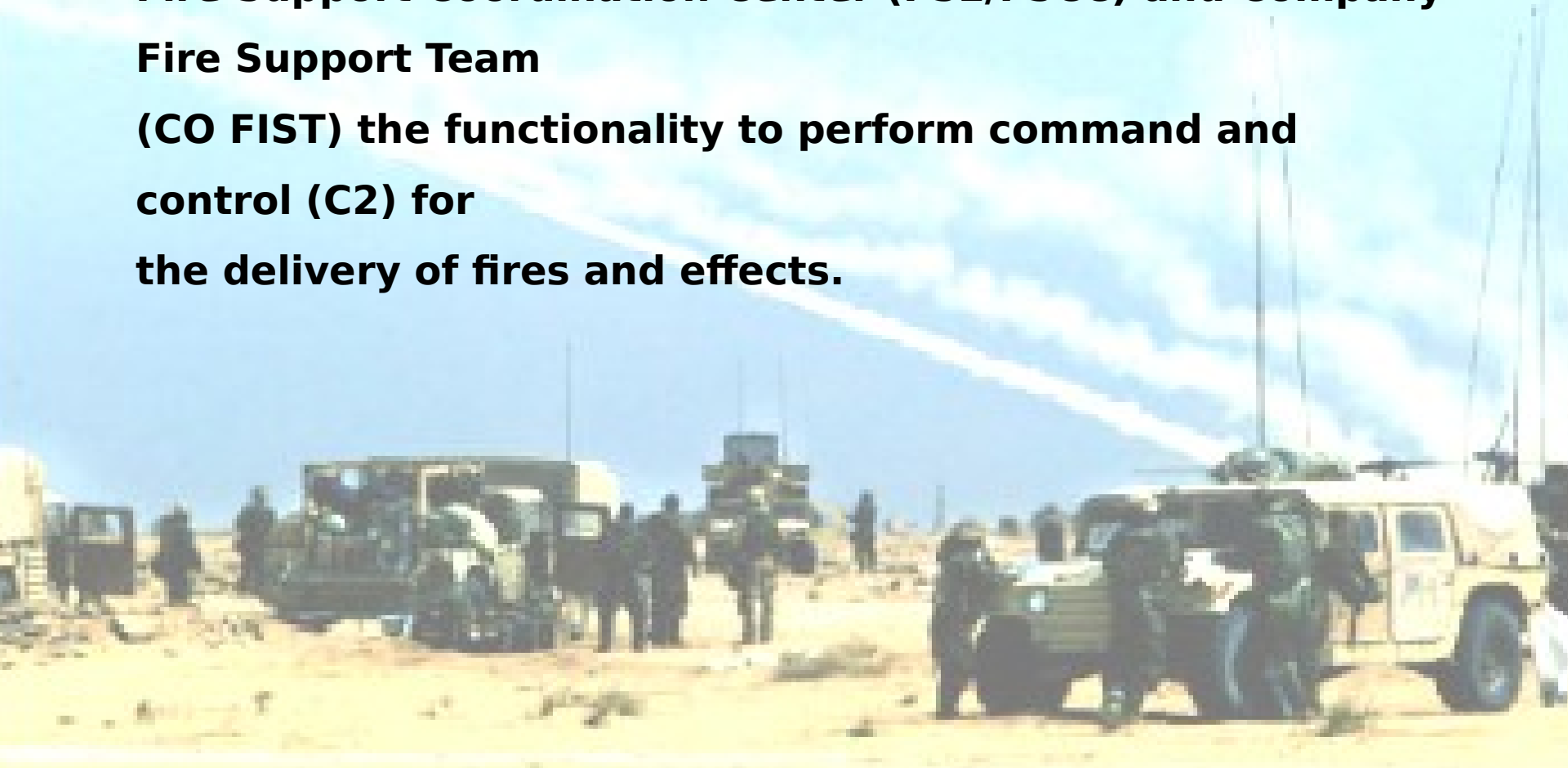
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JDACCS Mission

Provide the Maneuver Battalion Fire Support Element / Fire Support Coordination Center (FSE/FSCC) and Company Fire Support Team (CO FIST) the functionality to perform command and control (C2) for the delivery of fires and effects.





Meeting the Mission

JDACCS Capabilities



- **Obtain and maintain near real time information data flow between itself and external platforms**
- **Operate as a remote fire support node collocated as integrated workstation within a battalion or company level OPFAC**
- **Operate as a stand alone workstation (primarily at company level) using Combat Net Radio / wireline communications**





Transition to JDACCS

Effects Management Tool (EMT)

- Client to the AFATDS server – LAN Based
- Extends AFATDS' fires & effects and SA capabilities to remote tactical workstations.
- Highly configurable based on Roles and Duties
- Windows-like behavior
 - Excel-like tables
 - User set Preferences
 - Roles and Duties
- Display Filters



Panasonic Toughbook

FSCOORD Synch Tool (FST)

- A user- friendly Fire Support C2 and near real time SA tool
- Tailored for FSCOORD use, connected by CNR to an AFATDS server
- Windows NT 'Look and Feel'
- FS Situation Monitor - Unit Locations, Targets, FSCM
- Target Lists/Reports
- Friendly/Enemy Artillery Vectors
- Interoperability with MS Office® Products



Transition to JDACCS

- Represents an integration of EMT / FST, AFATDS (limited tactical fire control) and C2PC functionality sufficient to perform the actions relevant to the duties of the Bn FSE and CO FIST
- Extract and maintain the relevant information needed to enable the FSE to make timely, accurate, and informed decisions on:
 - Employment and coordination of fires
 - Management activities to synchronize all available fire support assets
- Provides a common platform that can be used for the Horizontal Clearance of Fires
- Run on a CHS 2 Notebook Computing Unit (NCU) or co-hosted with the C2PC on the C2PC platform



DACT / C2PC Platform



JDACCS Configurations

- **JDACCS will be capable of operating in two configurations:
Vehicle Mounted (BFIST)**



- **Utilize vehicle power and communications**
- **Using the Common Sensor Link Protocol, will interface with the Optical and Range Finding System**

Portable Man Pack



- **Power is provided by the hardware platform**
- **Uses organic communications assets (i.e., Combat Net Radio (CNR))**



JDACCS Features



- **Designed to reduce training time for the FSE/FSCC from 3 weeks to 1 week. Achievable through:**
 - **An intuitive, easy to use Graphical User Interface (GUI)**
 - **A “Microsoft Look and Feel” similar to other Microsoft applications**
- **Operator can tailor the software based on his role / responsibility:**
 - **Tailor the windows presented**
 - **Display can be organized into a series of overlays, each having a relevant subset of information (targets, unit types, FSCM)**
 - **Highlight / color code targets, units, symbols, etc., of special interest**
 - **Graphically display mission status**
 - **Standard or customized reports on FSCMs, targets, missions, units**
- **Operator preferences are stored for recall on log-in**



JDACCS Information Tools

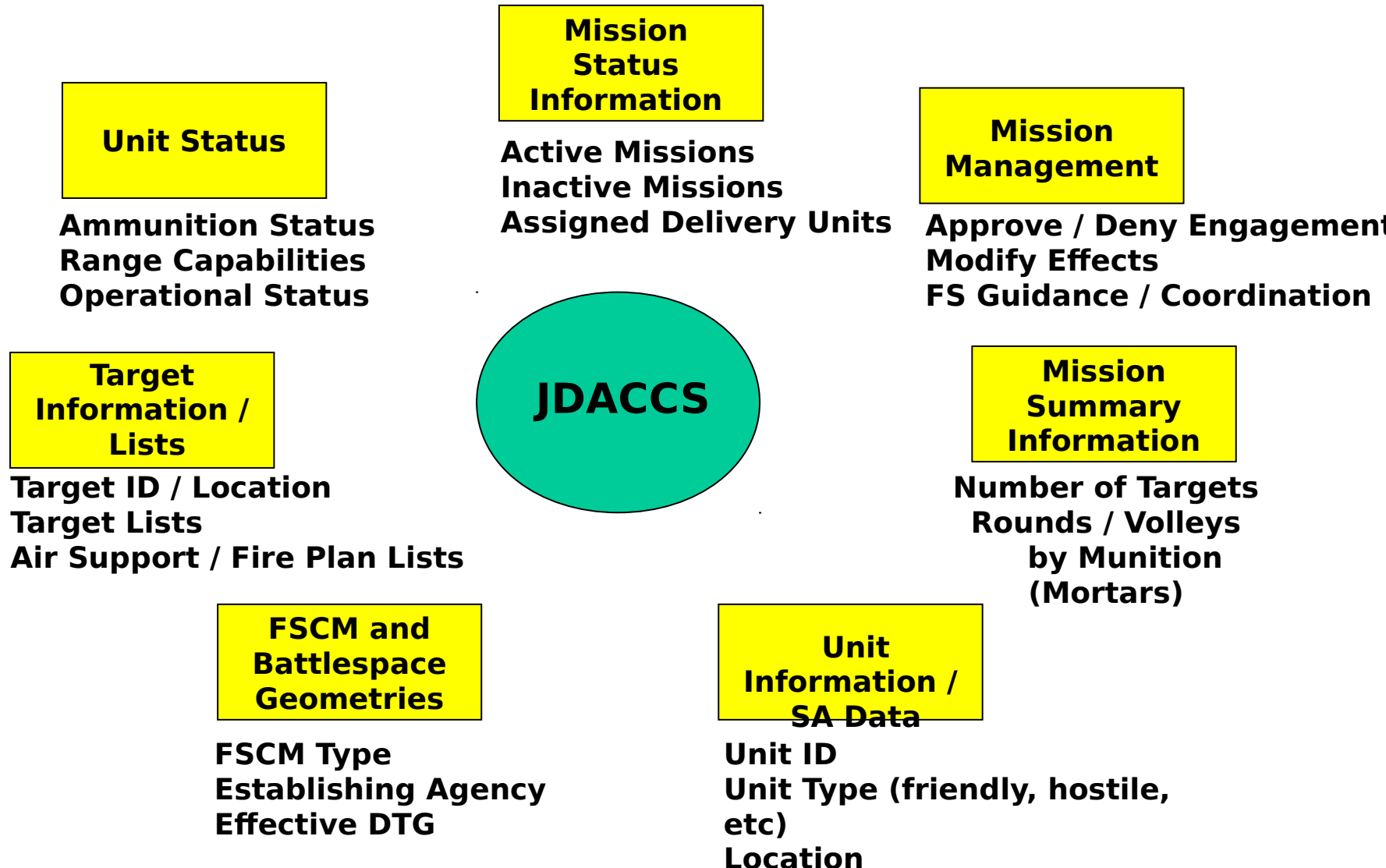


- **Spreadsheet capability is provided for:**
 - **Unit Data:** Unit type, location, platform, ammunition, inventory, command / support relationships, range, posture
 - **Target Data:** Target type, location, target list, engagement history
 - **FSCM / Battlespace Geometry:** Type, shape, effective times, affiliation, location, establishing unit, status (active / inactive) (Atlas-C2PC; JMTK-Other)
 - **Mission Status / Summary Information:** Status (in process, ready, shot, splash, etc.), target type and location, assigned delivery units
- **Target List Worksheet Tool**
 - Retrieve stored targets / target lists from AFATDS
 - Import / export target lists via spreadsheet
 - Create target list; add, delete targets from target lists



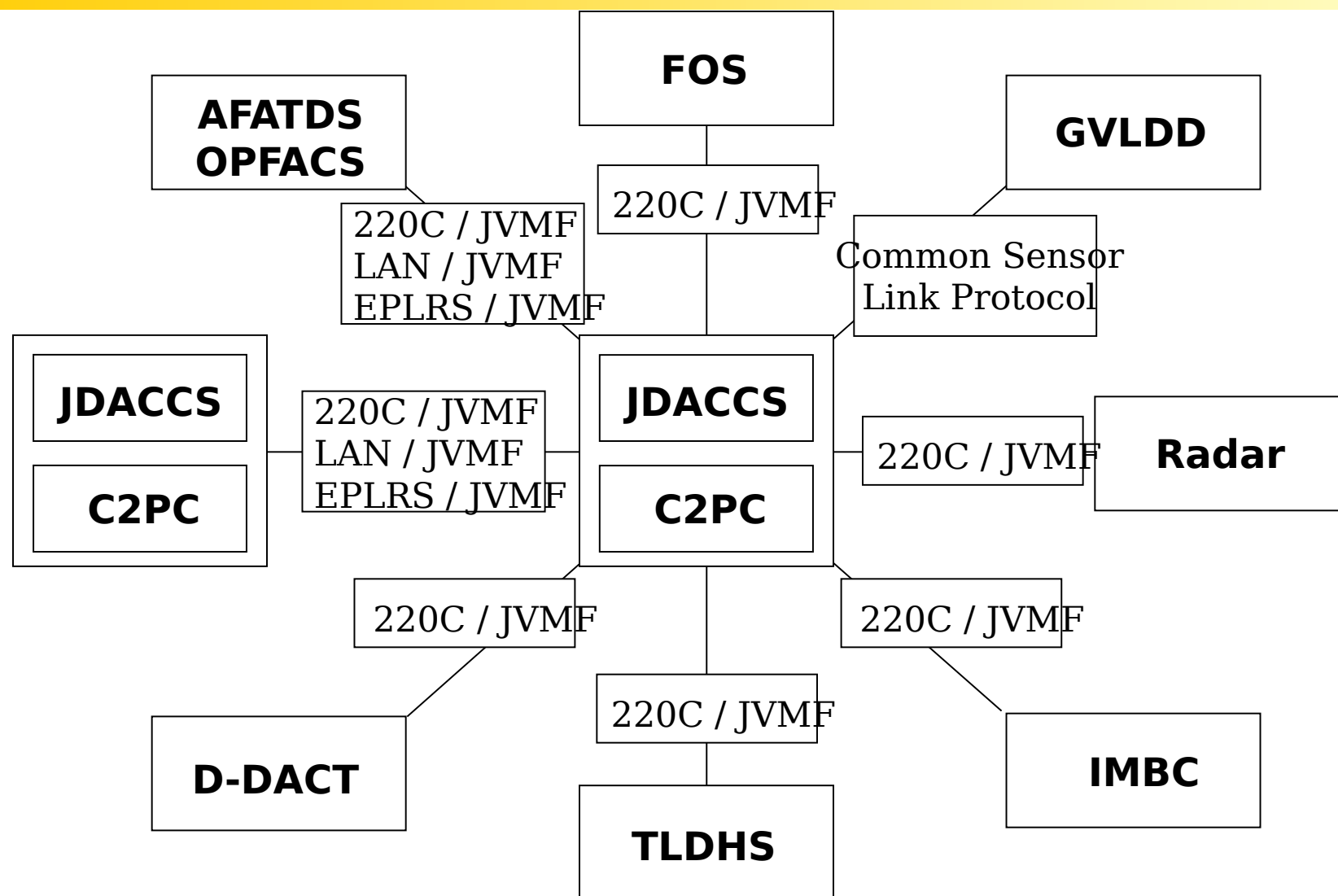
JDACCS Data Processing

Receive - Track - Analyze Fires Type Data





JDACCS / C2PC Data Exchange





JDACCS Summary



- **Represents an integration of EMT / FST, AFATDS (limited tactical fire control), and C2PC functionality**
- **Run on a CHS 2 Notebook Computing Unit (NCU) or co-hosted with the C2PC on the C2PC platform**
- **JDACCS provides the FSE with a level of flexibility to include all the functionality required to operate as an independent remote fire support stand alone terminal**
- **JDACCS serves as a client application to SOR and FIOP applications (i.e., WEEMC)**
- **JDACCS provides simplified Fire Support training**